

## **STORM DRAIN STRUCTURE MAINTENANCE**

### **1. PURPOSE**

- a. Develop standard operating procedures for maintaining storm drain structures (inlet boxes, combo boxes, junction boxes, and manholes).

### **2. PROCESS**

#### **a. Schedule**

- Structures are to be maintained per the Storm Water System Maintenance Plan schedule.

#### **b. Inspection and Cleaning**

- Do visual inspection on outside of structure including grate, hood, collar, and lid to identify any cleaning or repairs needed.
- Do visual inspection on inside of structure to identify any cleaning or repairs needed.
  1. Look for sediment, debris, cracks, and missing or broken pieces in the walls of the structure.
- When a video is performed on storm drain pipe, connecting structures are to be inspected.
- Remove sediment and trash from grate, hood, and lid as required, placing in a truck for disposal.
- Clean inside of structure using a high powered vacuum truck by cleaning the walls and sucking out sediment on the bottom.
- Use a high pressure washer to break up any remaining material while capturing the slurry with the vacuum.
- After structure is clean, remove any sediment that might have entered the pipe.

#### **c. Repair**

- Any needed repairs are to be documented and completed per the Storm Water System Maintenance Plan.

### **3. CLEAN-UP**

- a. When cleaning operation is complete or the vacuum truck is full, take sediment to an approved dewatering area. The liquids are to be discharged to the sanitary sewer.
- b. Once the material in the dewatering area has dried, the solids are to be disposed of in a landfill.

#### 4. DOCUMENTATION

- a. Document structure maintenance in Cityworks database with work orders for inspection, cleaning, and repair.